RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/014	4363A
Source:		1FW16
Date Processed by STIC:	3,	19/05

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 03/09/2005
PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

Input Set: A:\Cd20805.app

3 <110> APPLICANT: BURG, JOSEF

```
ENGEL, ALFRED
 5
         FRANZE, REINHARD
         HILGER, BERND
 6
         SCHURIG, HARTMUT E.
 7
 8
         TISCHER, WILHELM
 9
         WOZNY, MANFRED
11 <120> TITLE OF INVENTION: ERYTHROPOIETIN CONJUGATES
13 <130> FILE REFERENCE: CD 20805
15 <140> CURRENT APPLICATION NUMBER: 10/014,363A
16 <141> CURRENT FILING DATE: 2001-12-11
18 <150> PRIOR APPLICATION NUMBER: EP 00127891.0
19 <151> PRIOR FILING DATE: 2000-12-20
21 <160> NUMBER OF SEQ ID NOS: 17
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 165
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
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37 Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
                                40
40 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
41
                            55
43 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
                        70
                                             75
46 Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
                    85
                                         90
49 Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
               100
                                    105
52 Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
           115
                               120
55 Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
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58 Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
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61 Cys Arg Thr Gly Asp
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65 <210> SEQ ID NO: 2
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PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

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67 <212> TYPE: PRT
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74 Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His
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77 Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe
80 Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp
83 Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu
86 Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp
                    85
                                        90
89 Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu
                               . 105
92 Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala
          115
                               120
95 Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val
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98 Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala
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101 Cys Arg Thr Gly Asp Arg
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108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
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119 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Ile
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122 Glu Gly Arg Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu
125 Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys
                             55
128 Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys
131 Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val
                     85
                                         90
134 Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly
                                    105
137 Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu
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TIME: 11:47:16

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138
           115
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140 His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu
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143 Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala
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                                           155
146 Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu
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149 Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr
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152 Gly Glu Ala Cys Arg Thr Gly Asp Arg
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157 <211> LENGTH: 196
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
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165 <400> SEQUENCE: 4
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169 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Ala Pro
                                    25
172 Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu
                                40
175 Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser
                            55
178 Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala
                        70
181 Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly
184 Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val
185 100
                                   105
187 Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala
188 115
                              120
                                                   125
190 Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala
                          135
193 Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu
                       150
                                           155
196 Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser
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199 Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg
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202 Thr Gly Asp Arg
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206 <210> SEQ ID NO: 5
207 <211> LENGTH: 201
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
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PATENT APPLICATION: US/10/014,363A TIME: 11:47:16

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212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic protein
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217 1
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219 Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Gly Ala
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222 Ala His Tyr Ala Pro Pro Arg Leu Ile Cys Asp Ser Arg Val Leu Glu
223
             35
225 Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn Ile Thr Thr Gly Cys
        50
                             55
228 Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr Val Pro Asp Thr Lys
231 Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val Gly Gln Gln Ala Val
234 Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu Ala Val Leu Arg Gly
                                    105
237 Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp Glu Pro Leu Gln Leu
            115
                                120
240 His Val Asp Lys Ala Val Ser Gly Leu Arg Ser Leu Thr Thr Leu Leu
                            135
243 Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser Pro Pro Asp Ala Ala
                        150
                                            155
246 Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp Thr Phe Arg Lys Leu
                                        170
                    165
                                                            175
249 Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys Leu Lys Leu Tyr Thr
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259 <213> ORGANISM: Artificial Sequence
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265 <220> FEATURE:
266 <221> NAME/KEY: CDS
267 <222> LOCATION: (14)..(616)
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271
                   Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu
272
274 ctc ctg tcc ctg ctg tcg ctc cct ctg ggc ctc cca gtc ctg ggc gcc
                                                                      97
275 Leu Leu Ser Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala
278 ccc ccc cga atc gag ggc cgc gcc cca cca cgc ctc atc tgt gac agc
                                                                      145
279 Pro Pro Arg Ile Glu Gly Arg Ala Pro Pro Arg Leu Ile Cys Asp Ser
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		Val	ьeu	GIU	Arg		ьeu	Leu	GIU	Ата		GIU	Ата	GLu	Asn		
284	45					50					55					60	
		acg															241
	Thr	Thr	GLy	Cys		Glu	His	Cys	Ser		Asn	Glu	Asn	Ile		Val	
288					65					70					75		
		gac															289
	Pro	Asp	Thr	Lys	Val	Asn	Phe	Tyr	Ala	Trp	Lys	Arg	Met	Glu	Val	Gly	
292				80					85					90			
		cag															337
	Gln	Gln	Ala	Val	Glu	Val	Trp	Gln	Gly	Leu	Ala	Leu	Leu	Ser	Glu	Ala	
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299	Val	Leu	Arg	Gly	Gln	Ala	Leu	Leu	Val	Asn	Ser	Ser	Gln	Pro	Trp	Glu	
300		110					115					120					
302	CCC	ctg	cag	ctg	cat	gtg	gat	aaa	gcc	gtc	agt	ggc	ctt	cgc	agc	ctc	433
303	Pro	Leu	Gln	Leu	His	Val	Asp	Lys	Ala	Val	Ser	Gly	Leu	Arg	Ser	Leu	
304	125					130					135					140	
306	acc	act	ctg	ctt	cgg	gct	ctg	gga	gcc	cag	aag	gaa	gcc	atc	tcc	cct	481
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310	cca	gat	gcg	gcc	tca	gct	gct	cca	ctc	cga	aca	atc	act	gct	qac	act	529
		Āsp															
312		-		160					165	_				170	-		
314	ttc	cgc	aaa	ctc	ttc	cga	qtc	tac	tcc	aat	ttc	ctc	cqq	qqa	aaq	ctq	577
		Arg				-	-								_	_	
316		-	175			_		180					185	_	•		
318	aag	ctg	tac	aca	ggg	gag	gcc	tgc	agg	aca	ggg	gac	aga	tgad	cago	gtc	626
		Leu												-			
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332	31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 32 nucleotide construct																
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VERIFICATION SUMMARY

DATE: 03/09/2005

PATENT APPLICATION: US/10/014,363A

TIME: 11:47:17

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